
DATTARAJ JAGDISH RAO

PROFILE

- Chief Data Scientist at Persistent - mentoring a 200+ data science organisation.
- Leading Generative AI CoE, building accelerators that have led to \$100MM business.
- 25 years of industry experience, with 20 years at General Electric (GE).
- Author of "Keras to Kubernetes - The journey of a ML model to Production".
- 11 patents granted in the USA on Computer Vision.

Focus areas: Generative AI, Large Language Models (LLM), Large Multi-modal Models (LMM), Knowledge Graphs (KG), Cybersecurity, Responsible AI, Federated Learning.

KEY PROJECTS

- GenAI Hub ([LINK](#)) - Helping enterprises (Charles Schwab, The Wonderful Company, ThermoFisher) create faster, more efficient, and secure GenAI experiences at scale, anchored by the principles of Responsible AI. Hub comes with a Cross-LLM router, No-Code Playground, Agents framework, Fine-tuning pipelines, Governance and Cost observability dashboard.
- GenAI Accelerators - OmniKG, ClaimsMate, OfferWise, ContentAssist and Cyber Threat Intelligence platform, which provide a right mix of business domain and advance technology like agentic workflows, fine-tuning and knowledge graphs.
- Partnering with Neo4j to build a Knowledge Graph (KG) building tool, grounding RAG applications with KG and
- Incubated the LocoVision product at GE from an innovation idea of monitoring railway track defects via camera - into a \$200MM annual revenue commercial offering.

EXPERIENCE

CHIEF DATA SCIENTIST PERSISTENT - 2019 TO PRESENT GOA

- Demonstrated a 50% faster GTM for GenAI experiences with the Hub accelerator and a cost reduction of 30% via cross-LLM strategy and governance model.
- Demonstrated 30% reduction in compilation time for threat intelligence and highly customised rendering of threat feeds to make them actionable.
- Developed Precision Medicine platform with cognitive architecture using mix of LLMs and LMMs at several stages of patient care process.

- Developed knowledge platform offering with \$200K seed investment that was instrumental in signing deals worth \$200MM in diverse areas like drug discovery, banking, insurance, and tax research.
- Championing the Responsible AI and MLOps strategy for Persistent to help customers at different ML maturity levels make operationalization more agile and ethical.

PRINCIPAL ARCHITECT GE / WABTEC - 2013 TO 2019 BANGALORE

- Incubated the LocoVISION product from an idea of monitoring railway track via camera - into a \$200MM commercial offering. Championed the solution which included edge video processing with GPU, industrial network setup and central data lake architecture.
- Mentored team to evaluate models like CNN, RCNN, YOLO, AutoEncoders and Siamese networks for enabling outcomes like highlighting track anomalies, detecting Pedestrians, Signals, Mileposts, and monitoring Driver fatigue.

CHIEF ARCHITECT GE POWER - 2004 TO 2013 NORFOLK, VA

- Developed the multi-generation Technology roadmap for GE Power's remote monitoring (RM&D) centre - that monitors 2000 turbines 24x7 across the world.
- Simplified overall system architecture both at edge and central, incubating Innovations like standardized Information model, common rules engine, UX and orchestration layer.

RESEARCH ENGINEER GE GLOBAL RESEARCH - 2000 TO 2004 BANGALORE

- Developed a knowledge-based engineering solution for CAD systems.
- Leveraged system-level thinking to flow-down requirements to individual components and influence geometry changes.

EDUCATION

GOA ENGINEERING COLLEGE - BE MECHANICAL - 2000

THOUGHT LEADERSHIP

- Workshops on AI/ML at NASSCOM, CODS-COMAD and VISUM conference.
- Articles in VentureBeat, Unite.AI, TheNewStack and Times of India.
- Top talent award for 4 years in a row.

